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#2/Power  
6/26/01  
C. McKinney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gregory P. Crawford, et al

Serial No.: 09/765,880

Examiner: TBD

Filed: January 18, 2001

Entitled: Electrically Controllable, Variable  
Reflecting Element

Group Art Unit: TBD

Attorney Docket No.: 121.36.125

Assistant Commissioner of Patents  
Washington, D.C. 20231

RECEIVED  
MAY 31 2001  
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Transmittal Letter

Dear Sirs:

Enclosed for filing in the above-identified patent application, is a Revocation of Power of Attorney, Appointment and Certification under 37 CFR 3.73 (B). With the appointment of Hale and Dorr LLP, we request that this application be associated with customer number 23483.

Please charge any fees associated with this submission to our deposit account number 08-0219.

Respectfully Submitted,

May 22, 2001  
Date

Mary Rose Scozzafava  
Mary Rose Scozzafava  
Reg. No. 32,268



**23483**

PATENT TRADEMARK OFFICE



THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants:** Gregory P. Crawford et al

**Serial No.:** 09/765,880

**Filed:** January 18, 2001

**Entitled:** Electronically Controllable, Variable  
Reflecting Element

**Attorney Docket No.:** 121.36.125

Assistant Commissioner of Patents  
Washington, D.C. 20231

**Examiner:** TBD

**Group Art Unit:** TBD

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**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY  
AND CHANGE OF CORRESPONDENCE ADDRESS**

I, William M. Jackson, hereby certify that I am authorized to act on behalf of Brown University Research Foundation in matters before the United States Patent and Trademark Office. I further certify that William Jackson, is the Assignee of the above-identified United States patent application, by virtue assignment, a copy of which is attached hereto.

In the above-identified United States patent application, I hereby revoke all powers of attorney previously created. I hereby appoint the following attorneys with full power of substitution and revocation to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith.

Scott M. Alter	32,879	Wayne A. Keown, Ph.D.	33,923
Hollie L. Baker	31,321	Ann-Louise Kerner, Ph.D.	33,523
Barbara A. Barakat	32,190	Janice M. Klunder, Ph.D.	41,121
Steven D. Barrett	40,903	James B. Lampert	24,564
Michael J. Bevilacqua	31,091	Keum J. Park	42,059
Nancy Chiu, Ph.D.	43,545	Jason A. Reyes	41,513

Nancy Chiu, Ph.D.	43,545	Jason A. Reyes	41,513
Michael A. Diener	37,122	Gretchen A. Rice, Ph.D.	37,429
Peter M. Dichiaro	38,005	Donald R. Steinberg	37,241
Richard A. Goldenberg	38,895	Colleen Superko	39,850
Edward D. Grieff	38,898	Hall C. Swaim	22,838
Sally Byrne	40,545	Rajesh Vallabh	35,761
Wayne M. Kennard	30,271	Henry N. Wixon	32,073
David J. Cerveny	44,600	Ayla A. Lari	43,739
Nels Lippert	25,888	Dominic Massa	44,905
Gregory S. Discher	42,488	Irah H. Donner	35,120
Robert McIssac	P46,918	Luke Yeh	43,296
David Cerveny	44,600	David Cavanaugh	36,476
Irah H. Donner	35,120	Gregory S. Discher	42,488
Anthony Kahng	42,704	Maria Maebius	42,967
Cynthia Nicholson	36,880	Tamara Pertmer	P47,856
MaryRose Scozzafava	36,268	Victor Souto	33,458
Leonid Thenor	39,397	Michael J. Twomey	38,349
Gary A. Walpert	26,098	Lisa Wilson	34,045

All future correspondence should be sent to:

Mary Rose Scozzafava, Esq.  
Hale and Dorr LLP  
60 State Street  
Boston, MA 02109  
Telephone No.: (617) 526-6000  
Facsimile No.: (617) 526-5000

Brown University Research Foundation

By: William M. Jackson  
William M. Jackson  
President

Date: May 7, 2001

## ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Gregory P. Crawford	Providence	Rhode Island
Christopher C. Bowley	Providence	Rhode Island

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Brown University Research Foundation	Rhode Island	42 Charlesfield Street Providence, RI 02912

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
Electrically Controllable, Variable Reflecting Element	January 18, 2001	09/765,880

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at PROVIDENCE, RHODE ISLAND  
this 12<sup>th</sup> day of FEBRUARY, 2001

GREGORY P. CRAWFORD L.S.  
**GREGORY P. CRAWFORD**

STATE OF RI:  
COUNTY OF PROVIDENCE :ss.

Before me this 12<sup>th</sup> day of FEBRUARY, 2001, personally appeared **GREGORY P. CRAWFORD** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Mary E. Finn  
Notary Public

My Commission Expires: 6/30/04

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
L.S.

**CHRISTOPHER C. BOWLEY**

STATE OF \_\_\_\_\_:  
COUNTY OF \_\_\_\_\_:ss.

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared **CHRISTOPHER C. BOWLEY** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

## ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Gregory P. Crawford	Providence	Rhode Island
Christopher C. Bowley	Providence	Rhode Island

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Brown University Research Foundation	Rhode Island	42 Charlesfield Street Providence, RI 02912

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
Electrically Controllable, Variable Reflecting Element	January 18, 2001	09/765,880

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_. L.S.

**GREGORY P. CRAWFORD**

STATE OF \_\_\_\_\_:

:ss.

COUNTY OF \_\_\_\_\_:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared **GREGORY P. CRAWFORD** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at 3M Center, St. Paul,  
this 14<sup>th</sup> day of February, 2001

Christopher Bowley \_\_\_\_\_ L.S.  
**CHRISTOPHER C. BOWLEY**

STATE OF Minnesota:

:ss.

COUNTY OF Ramsay:

Before me this 14 day of February, 2001, personally appeared **CHRISTOPHER C. BOWLEY** known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Cindy A. Egger  
Notary Public

My Commission Expires: 1-31-2005

[Notary's Seal Here]

